

AMENDMENTS TO THE CLAIMS

Please amend claims 1 and 29, and add new claims 34 and 35. Claims 6-13, 18, 21, 24 and 25 were cancelled in previous papers. No new matter is believed to be introduced by the aforementioned amendments and new claims. The following listing of claims will replace all prior versions and listings of claims in the application.

1. **(Currently Amended)** An optical device adapted to receive an optical fiber having a core through which optical signals propagate, the optical device comprising:

a housing having:

an opening for receiving a terminal end of the optical fiber, and

a port located on a portion of the housing substantially opposite to the opening for receiving a terminal end of the optical fiber;

an optical component having a first facet and a second facet, the second facet being substantially parallel to the first facet, the first facet of the optical component contacting the terminal end of the optical fiber so that the optical signals are incident upon the first facet, while the second facet of the optical component is disposed from the terminal end a distance that enables the optical signals which are internally reflected within the optical component to be substantially prevented from entering into the terminal end of the optical fiber; and

a ~~hollow~~ mount configured to position the optical component within at least a portion of the port, the mount defining a hole that extends through the mount and that enables optical signals to pass from one portion of the optical device to another portion of the optical device, wherein a portion of the second facet of the optical component contacts the mount, and wherein the mount is configured to hold a portion of the first facet of the optical component against the housing.

2. **(Original)** The optical device as recited in claim 1, wherein the first facet is normal to the axis of the terminal end of the fiber.

3. **(Original)** The optical device as recited in claim 1, wherein the optical component is formed from a material selected from the group consisting of glass and plastic.

4. **(Previously Presented)** The optical device as recited in claim 1, further comprising an optoelectronic package disposed within the port.

5. **(Original)** The optical device as recited in claim 4, wherein the optoelectronic package comprises a package selected from the group consisting of a receiver optical sub-assembly and a transmitter optical sub-assembly.

6-13. **(Canceled)**

14. **(Previously Presented)** The optical device as recited in claim 4, wherein the optoelectronic package comprises a transmitter sub-assembly that comprises:

- a laser; and
- a lens in optical communication with the laser.

15. **(Previously Presented)** The optical device as recited in claim 1, wherein the optical component has an axis that is perpendicular to a facet formed at the terminal end of the optical fiber.

16. **(Previously Presented)** The optical device as recited in claim 1, wherein the optical component has a thickness of less than about 2 mm.

17. **(Previously Presented)** The optical device as recited in claim 1, wherein the optical component has a thickness of approximately 1 mm.

18. **(Canceled)**

19. **(Previously Presented)** The optical device as recited in claim 1, wherein the mount comprises a lip disposed about a periphery of the mount and one or more members extending from the periphery of the mount.

20. **(Previously Presented)** An optical device, comprising:
- a base defining a port and a recess, and the base including a protrusion that extends into the recess;
 - a ferrule configured to mate with the base such that the protrusion extends into the ferrule when the ferrule is mated with the base; and
 - an optical component supported by the protrusion, the optical component having a first facet and a second facet that are substantially parallel to each other, the first facet being arranged for contact with a terminal end of an optical fiber when the optical fiber is positioned in the ferrule and the ferrule is mated with the base.
21. **(Canceled)**
22. **(Previously Presented)** The optical device as recited in claim 20, further comprising an optoelectronic package positioned in the port such that an air gap is disposed between the optical component and the optoelectronic package.
23. **(Previously Presented)** The optical device as recited in claim 22, wherein the optoelectronic package is an optical subassembly.
- 24-25. **(Canceled)**
26. **(Previously Presented)** The optical device as recited in claim 20, wherein the protrusion defines a channel that communicates with the port.
27. **(Previously Presented)** The optical device as recited in claim 20, wherein the base further comprises a region, disposed between the optical component and the port, which has a refractive index lower than a refractive index of the optical component.
28. **(Previously Presented)** The optical device as recited in claim 27, wherein the region comprises an air gap.

29. **(Currently Amended)** An optical device, comprising:

a housing that includes a nosepiece configured to receive a terminal end of an optical fiber, and the housing defining a port;

an optical component having a first facet and a second facet that are substantially parallel to each other, the first facet of the optical component being arranged for contact with the terminal end of the optical fiber when the optical fiber is received in the nosepiece; and

a hollow mount that contacts the second facet of the optical component so as to facilitate positioning of the optical component within the housing, the mount defining a hole that extends through the mount and that enables optical signals to pass from one portion of the optical device to another portion of the optical device.

30. **(Previously Presented)** The optical device as recited in claim 29, further comprising a second optical component, the second optical component being positioned in the port.

31. **(Previously Presented)** The optical device as recited in claim 30, wherein the second optical component comprises an optical sub-assembly.

32. **(Previously Presented)** The optical device as recited in claim 30, wherein the base further comprises a region, disposed between the first optical component and the second optical component, which has a refractive index lower than a refractive index of the first optical component.

33. **(Previously Presented)** The optical device as recited in claim 30, wherein the base further comprises an air gap disposed between the first optical component and the second optical component.

34. **(New)** The optical device as recited in claim 1, wherein the hole passing through the mount is substantially aligned with an axis of the terminal end of the optical fiber when the terminal end of the optical fiber is received in the opening of the housing.

35. **(New)** The optical device as recited in claim 29, wherein the hole passing through the mount is substantially aligned with an axis of the terminal end of the optical fiber when the terminal end of the optical fiber is received in the nosepiece.